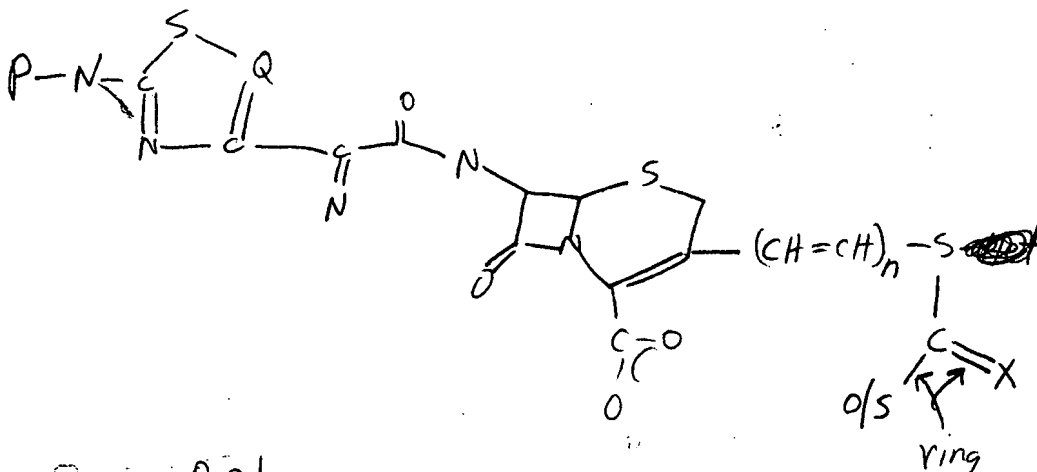


41443
SEARCH REQUEST FORM

Requestor's Name: BERLA ~~09/555949~~ Serial Number: 09/555949
Date: 5/1/01 Phone: 4718 Art Unit: 1624
4D15

Search Topic:

Please write a detailed statement of search topic. Describe specifically as possible the subject matter to be searched. Define any terms that may have a special meaning. Give examples or relevant citations, authors, keywords, etc., if known. For sequences, please attach a copy of the sequence. You may include a copy of the broadest and/or most relevant claim(s).



Point of Contact:
Mary Hale
Technical Info. Specialist
CM1 12D16 Tel: 308-4258

MAR 1

11:42
11:39

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Date completed: 5/2
Searcher: Mary
Terminal time: 5
Elapsed time: 6
CPU time: _____
Total time: _____
Number of Searches: _____
Number of Databases: _____

Search Site
____ STIC
____ CM-1
____ Pre-S
Type of Search
____ N.A. Sequence
____ A.A. Sequence
2 Structure
____ Bibliographic

Vendors
____ IG
27.82 STN
____ Dialog
____ APS
____ Geninfo
____ SDC
____ DARC/Questel
____ Other

This file contains CAS Registry Numbers for easy and accurate substance identification. Title keywords, authors, patent assignees, and patent information, e.g., patent numbers, are now searchable from 1907-1966. TIFF images of CA abstracts printed between 1907-1966 are available in the PAGE display formats.

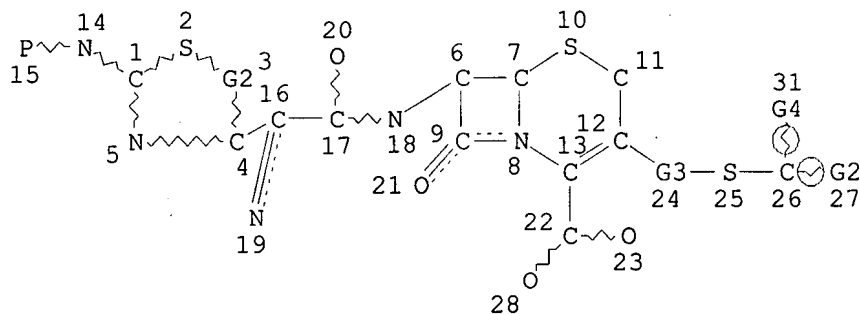
This file supports REGISTRY for direct browsing and searching of all substance data from the REGISTRY file. Enter HELP FIRST for more information.

L7 0 L6

=> del his y

Bereh
555949

=> d l6 que stat;d 1-2 ide cbib abs
L4 STR



CH=CH
@29 @30

VAR G2=C/N
REP G3=(0-1) 29-12 30-25
VAR G4=O/S
NODE ATTRIBUTES:
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DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:
RING(S) ARE ISOLATED OR EMBEDDED
NUMBER OF NODES IS 31

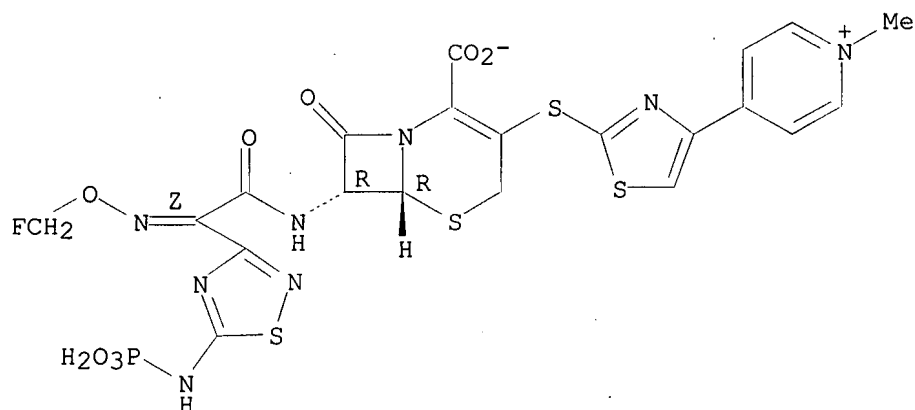
STEREO ATTRIBUTES: NONE
L6 2 SEA FILE=REGISTRY SSS FUL L4

100.0% PROCESSED 6 ITERATIONS
SEARCH TIME: 00.00.02

2 ANSWERS

L6 ANSWER 1 OF 2 REGISTRY COPYRIGHT 2001 ACS
RN 229016-74-4 REGISTRY
CN Pyridinium, 4-[2-[[[(6R,7R)-2-carboxy-7-[[[(2Z)-[(fluoromethoxy)imino][5-(phosphonoamino)-1,2,4-thiadiazol-3-yl]acetyl]amino]-8-oxo-5-thia-1-azabicyclo[4.2.0]oct-2-en-3-yl]thio]-4-thiazolyl]-1-methyl-, inner salt (9CI) (CA INDEX NAME)
FS STEREOSEARCH
MF C21 H18 F N8 O8 P S4
SR CA
LC STN Files: CA, CAPLUS

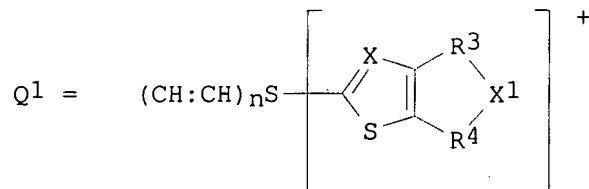
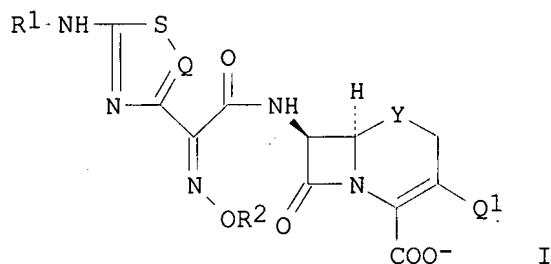
Absolute stereochemistry.
Double bond geometry as shown.



1 REFERENCES IN FILE CA (1967 TO DATE)
1 REFERENCES IN FILE CAPLUS (1967 TO DATE)

REFERENCE 1: 131:73504 Preparation of phosphonocephem derivatives and their use. Ishikawa, Tomoyasu; Hashiguchi, Shohei; Iizawa, Yuji (Takeda Chemical Industries, Ltd., Japan). PCT Int. Appl. WO 9932497 A1 19990701, 50 pp. DESIGNATED STATES: W: AL, AM, AU, AZ, BA, BB, BG, BR, BY, CA, CN, CU, CZ, EE, GD, GE, HR, HU, ID, IL, IN, IS, JP, KG, KR, KZ, LC, LK, LR, LT, LV, MD, MG, MK, MN, MX, NO, NZ, PL, RO, RU, SG, SI, SK, SL, TJ, TM, TR, TT, UA, US, UZ, VN, YU, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM; RW: AT, BE, BF, BJ, CF, CG, CH, CI, CM, CY, DE, DK, ES, FI, FR, GA, GB, GR, IE, IT, LU, MC, ML, MR, NE, NL, PT, SE, SN, TD, TG. (Japanese). CODEN: PIXXD2. APPLICATION: WO 1998-JP5709 19981217. PRIORITY: JP 1997-351499 19971219.

GI

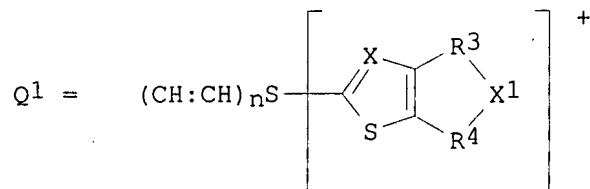
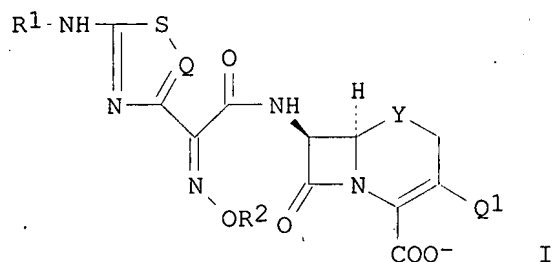


AB Title compds. I [R1 = (un)protected phosphono, phosphono deriv.; R2 = H, (un)substituted alkyl, cycloalkyl, etc.; one of R3 and R4 is (un)substituted pyridinium and the other is H or (un)substituted hydrocarbyl, or R3X1R4 = part of a quaternized (un)substituted N-contg. heterocycle; Q, X = N, CH; Y = S, O, CH2; n = 0, 1], useful for treatment of infectious diseases (no data), are prepd. Thus,

7.beta.-amino-3-[4-(1-methyl-4-pyridinio)-2-thiazolylthio]-3-cephem-4-carboxylate HCl reacted with 2-(5-dichlorophosphorylamino-1,2,4-thiadiazol-3-yl)-2(Z)-ethoxyiminoacetyl chloride in water-THF contg. NaHCO3 (pH 7.4) to give 7.beta.-[2(Z)-ethoxyimino-2-(5-phosphonoamino-1,2,4-thiadiazol-3-yl)acetamido]-3-[4-(1-methyl-4-pyridinio)-2-thiazolylthio]-3-cephem-4-carboxylate.

L6 ANSWER 2 OF 2 REGISTRY COPYRIGHT 2001 ACS
 RN 229016-73-3 REGISTRY
 CN Pyridinium, 4-[2-[[[(6R,7R)-2-carboxy-7-[[[(2Z)-(ethoxyimino)[5-(phosphonoamino)-1,2,4-thiadiazol-3-yl]acetyl]amino]-8-oxo-5-thia-1-azabicyclo[4.2.0]oct-2-en-3-yl]thio]-4-thiazolyl]-1-methyl-, inner salt (9CI) (CA INDEX NAME)
 FS STEREOSEARCH
 MF C22 H21 N8 O8 P S4
 SR CA
 LC STN Files: CA, CAPLUS

Absolute stereochemistry.
 Double bond geometry as shown.



AB Title compds. I [R1 = (un)protected phosphono, phosphono deriv.; R2 = H, (un)substituted alkyl, cycloalkyl, etc.; one of R3 and R4 is (un)substituted pyridinium and the other is H or (un)substituted hydrocarbyl, or R3X1R4 = part of a quaternized (un)substituted N-contg. heterocycle; Q, X = N, CH; Y = S, O, CH2; n = 0, 1], useful for treatment of infectious diseases (no data), are prepd. Thus,

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=> fil caol;s l6

COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	277.36	277.51
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE	TOTAL
	ENTRY	SESSION
CA SUBSCRIBER PRICE	-1.12	-1.12

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